Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

B.Voc. (Web Technology & Multimedia) (2019 Batch)   (Sem.–1)
PROGRAMMING FUNDAMENTALS IN C++
Subject Code : BVWM-102-19
M.Code : 77170

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answer briefly :

Q1. Why C++ is called object oriented programming?

Q2. Write the syntax of writing comments in C++.

Q3. What is polymorphism?

Q4. What are public and private keywords?

Q5. What do you mean by if-else ladder?

Q6. Write a program to find the mean of 5 numbers.

Q7. What is operator overloading?

Q8. What is the advantage of switch statement over *If-Else* statement?

Q9. Differentiate between *private* and *protected* class members.

Q10. Discuss any two disadvantages of *Multiple inheritance*.

SECTION-B

Q11. What are operators in C++? Explain the types of operators. How is the precedence and associativity of operators determined?

Q12. Explain the stages of program execution in C/C++.

Q13. Write short note on parameter passing in functions.

Q14. Write a C++ program to swap two numbers with and without the use of third variable.

Q15. Write a program to check whether a number is palindrome or not?

SECTION-C

Q16. Explain the following :

   a) Polymorphism in C++

   b) Classes in C++

   c) Data Abstraction in C++

   d) Inheritance in C++

Q17. Differentiate between the following :

   a) Formal and actual arguments

   b) Call by value and Call by reference.

Q18. Define Classes and Objects. Explain the different method to accessing members of class using an example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.